

I FEEL
SLOVENIA



GREEN.
CREATIVE.
SMART

MyBiz

BPhys. Miha Cankar



REPUBLIC OF SLOVENIA
MINISTRY OF EDUCATION,
SCIENCE AND SPORT



Slovenian Public Agency for
Entrepreneurship,
Internationalization, Foreign
Investments and Technology



Gospodarska
zbornica
Slovenije
Chamber of Commerce
and Industry of Slovenia



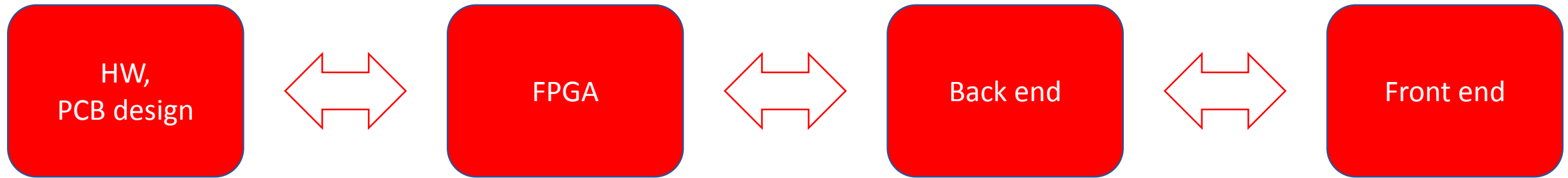
REPUBLIC OF SLOVENIA
MINISTRY OF ECONOMIC DEVELOPMENT AND
TECHNOLOGY

SLOVENIA@CERN

9. - 10. October 2019

MyBiz the team

over 100 Years of combined experience



Jozef Stefan Institute
(**fellow, Spectroscopy, Patent author**)
Instrumentation Technologies
(**Senior SW Development Engineer**)
HERMES SoftLab
(**Software Engineering Consultant**)

NASA - JPL (cube satellite)
(**principal FPGA Engineer**)
GSI – (500 MHz design MRSPEC)
(**principal FPGA engineer**)
TopIT
(**Senior Software Professional**)

MyBiz

hardware

INPUT

4 analog channels, 1GS/s, 8 bit
1 digital channel, 1GS/s, 16 bit

OUTPUT

2 analog channels, 250MS/s, 16 bit
1 digital channel, 1GS/s, 16 bit

FPGA

UltraScale+ ZU2 - ZU15
103k - 747k logic cels

BUFFER

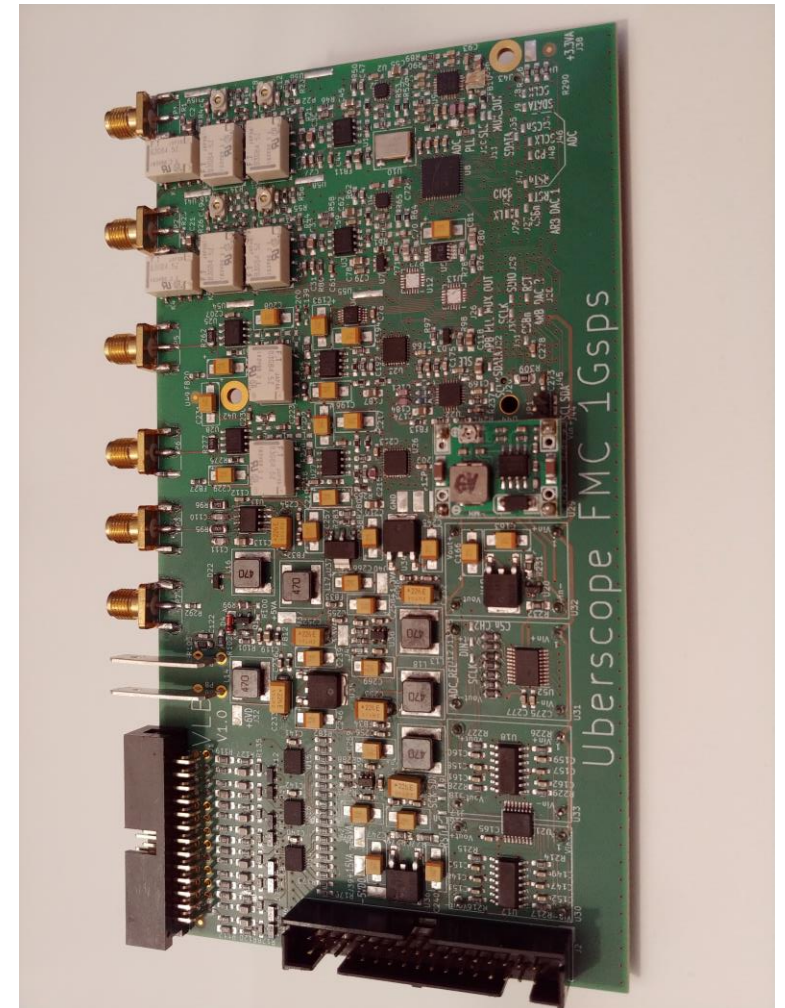
2 GByte DDR4

CONNECTIVITY

ETH 1 Gbit
USB 3.0

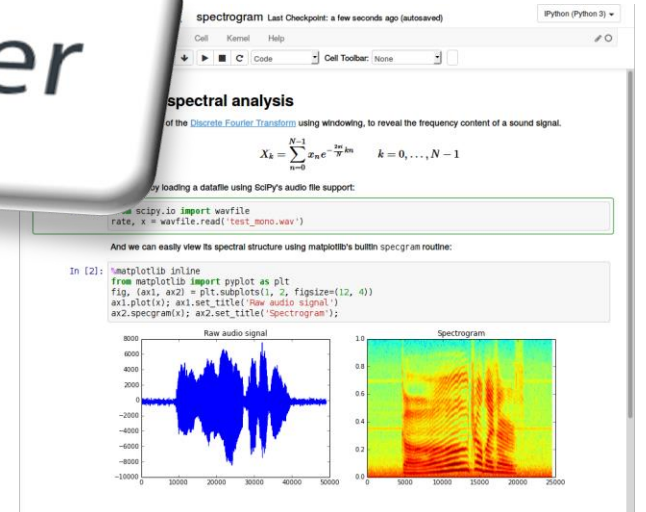
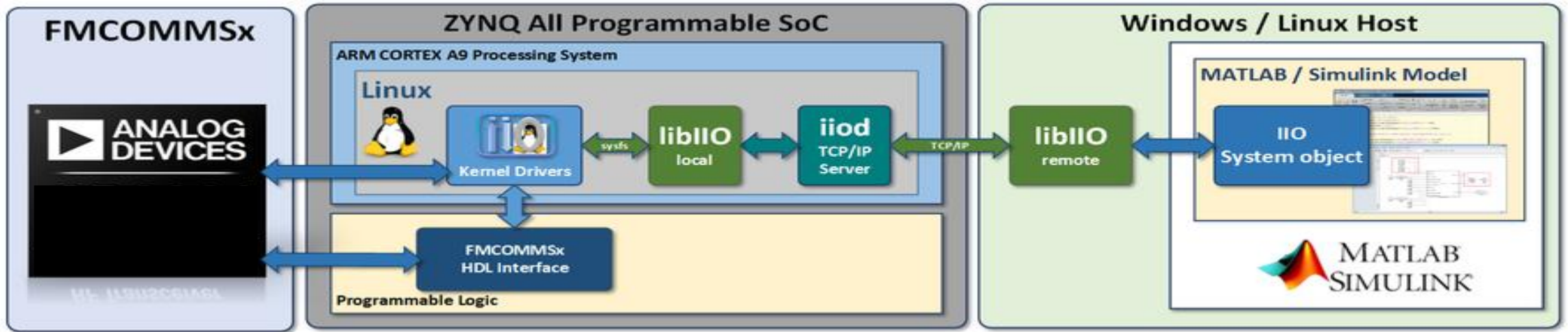
COMPATIBILITY

Industrial I/O python
Jupyter matlab



MyBiz

SW compatibility



MyBiz

Highly versatile and configurable realtime processing based on a
multisignal data accusation platform

custom services and applications available